FIG. 1

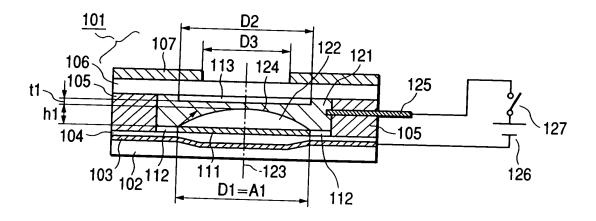
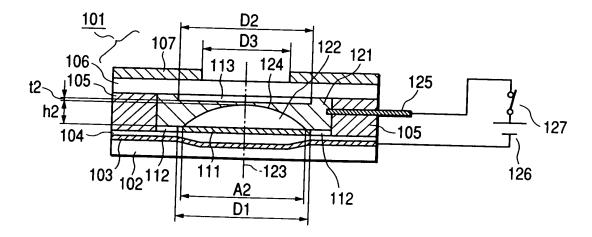
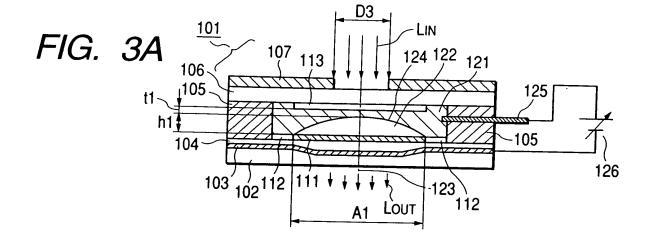
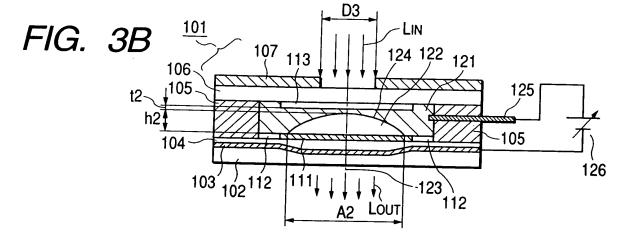


FIG. 2







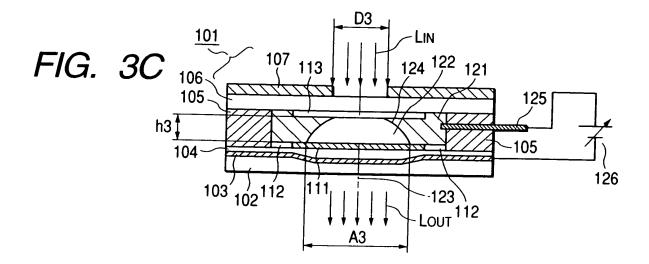
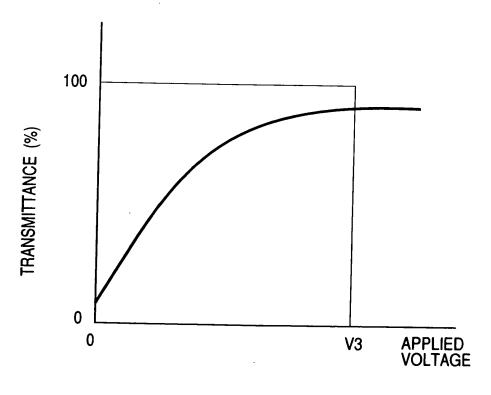
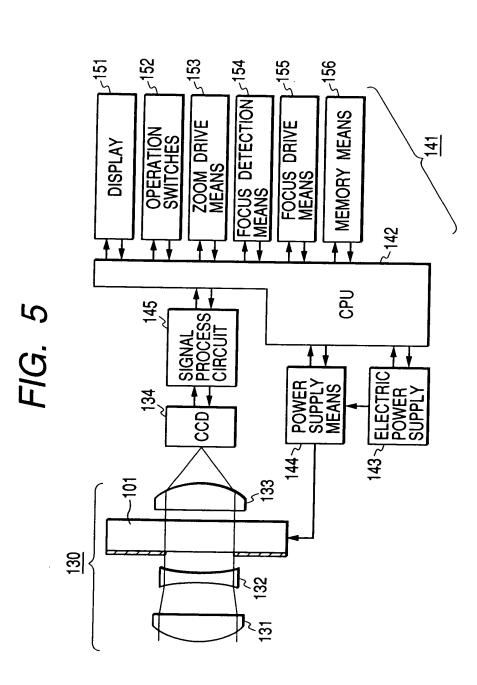


FIG. 4







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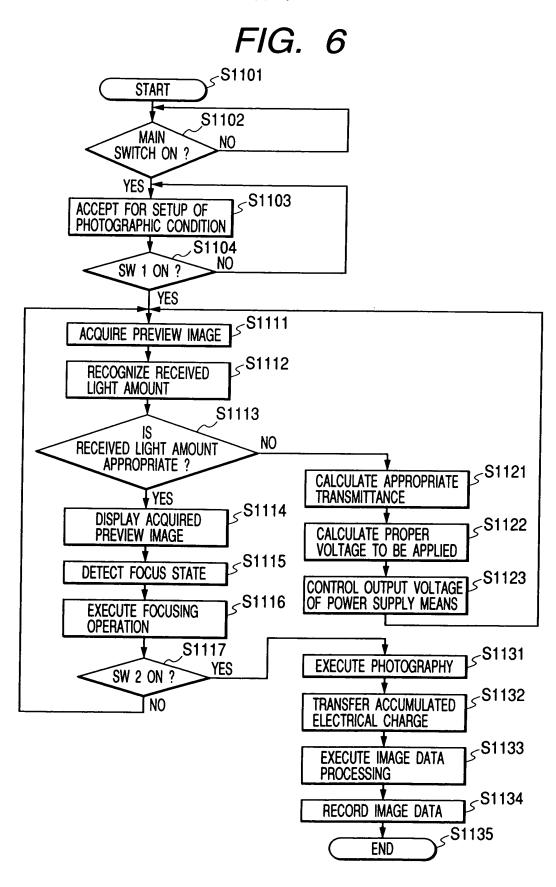


FIG. 7A

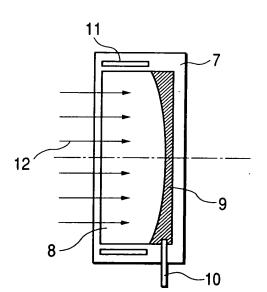
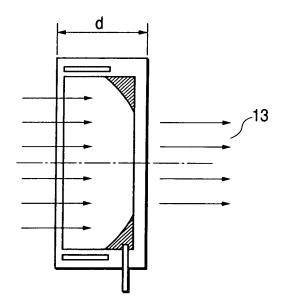


FIG. 7B



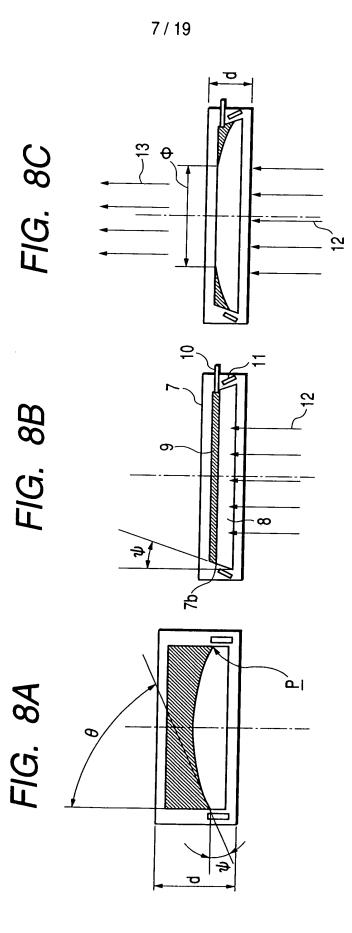


FIG. 9

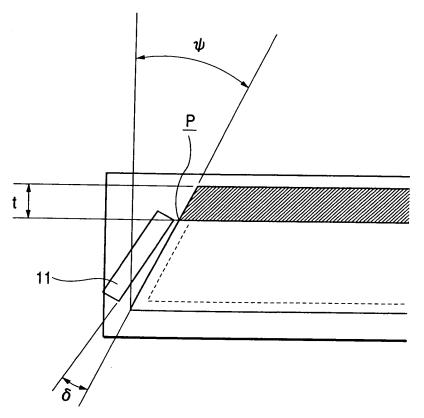


FIG. 10A FIG. 10B FIG. 10C

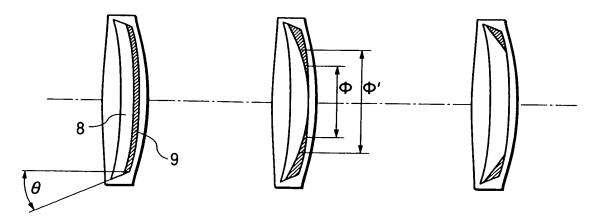


FIG. 11A

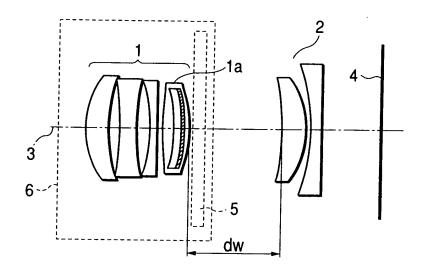


FIG. 11B

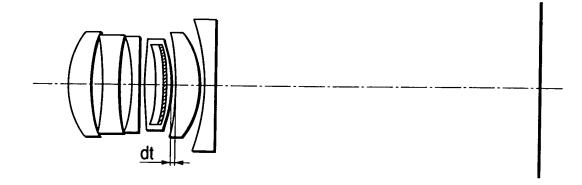


FIG. 12A

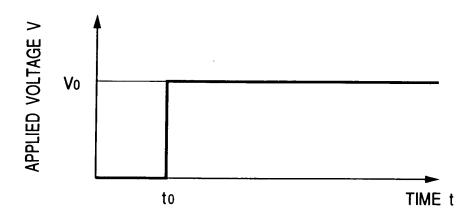


FIG. 12B

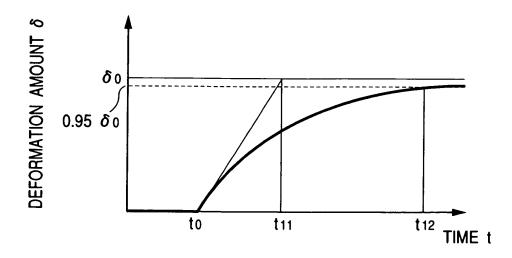
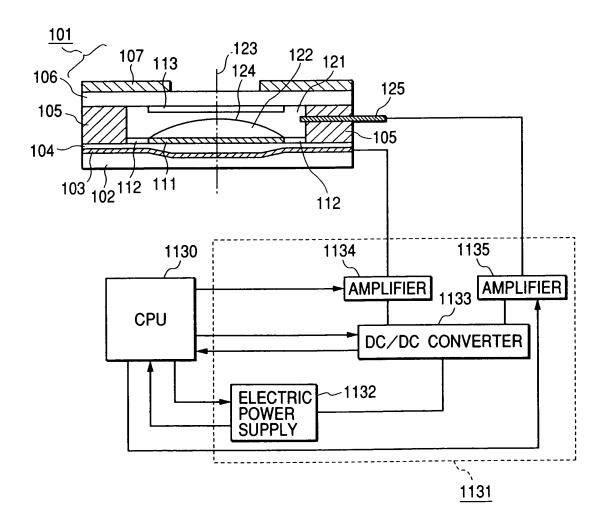
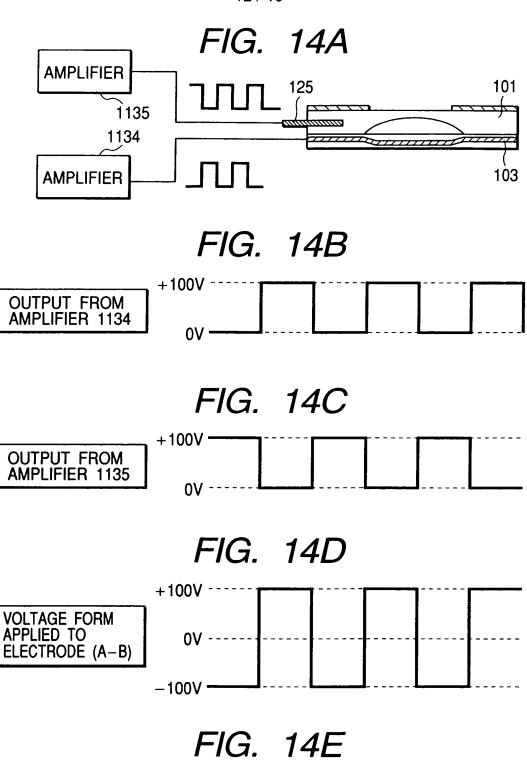


FIG. 13



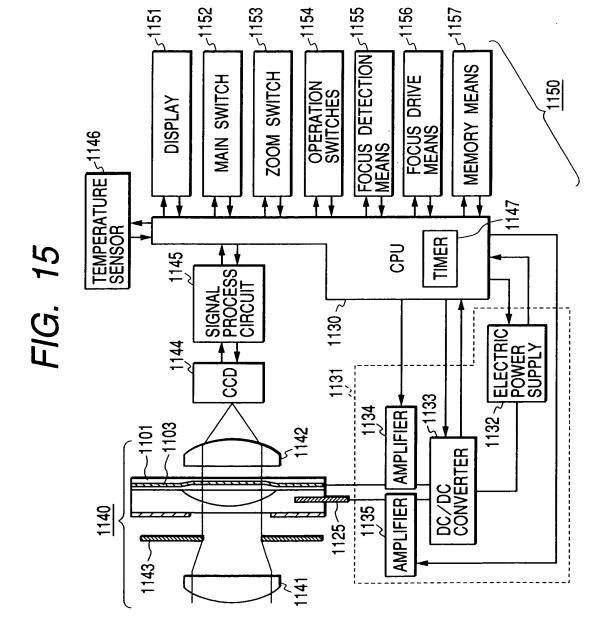
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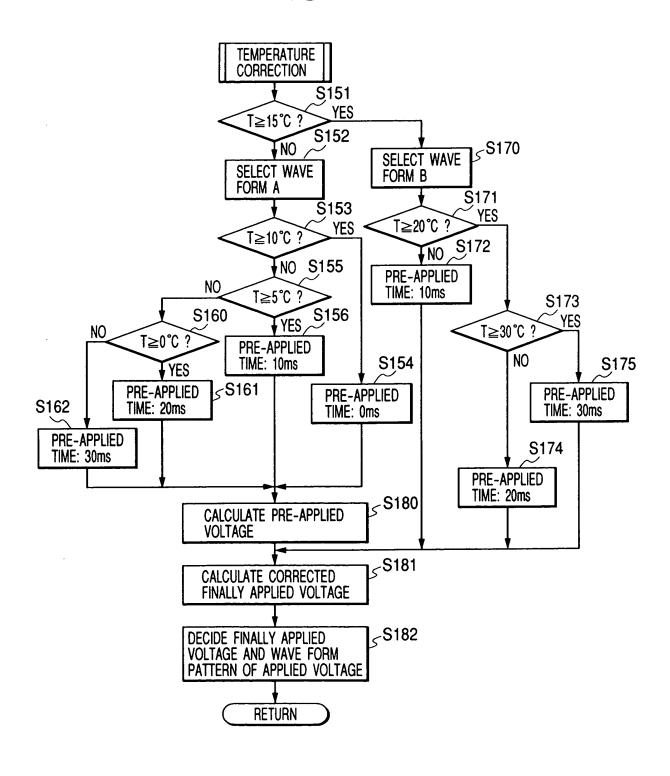
EFFECTIVE VOLTAGE APPLIED TO OPTICAL ELEMENT 101

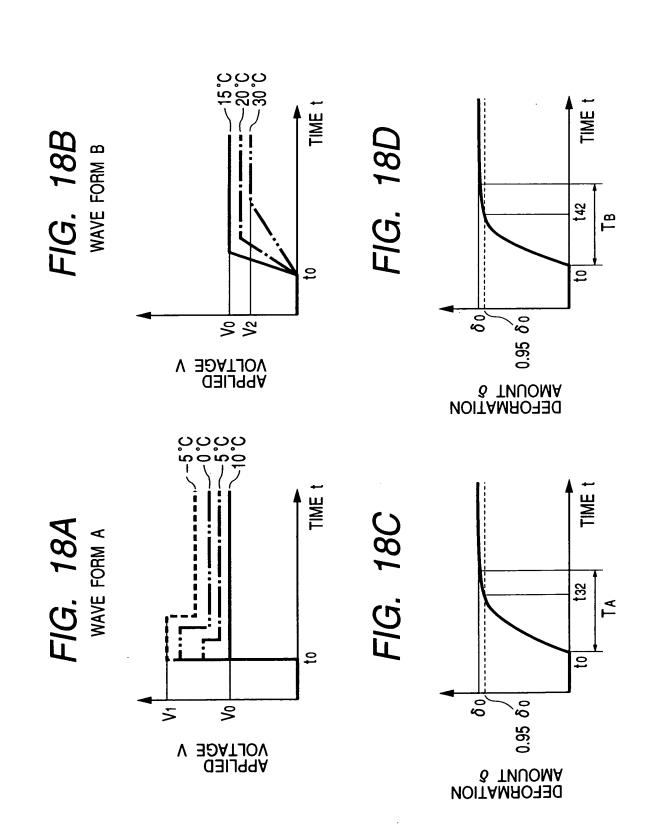


14/19 FIG. 16 **START** S101 MAIN NO SWITCH ON ? YES S102 MEASURE AMBIENT TEMPERATURE ₅S103 ACCEPT FOR SETUP OF S122 PHOTOGRAPHIC CONDITION RESET TIMER S104 S121 _SS123 ZOOM YES YES DETECT OPERATED IS TIMER SWITCH ON COUNTING? AMOUNT OF ZOOM SWITCH CALCULATE CORRESPONDING S124 NO NO S105 NO FOCAL DISTANCE SW 1 ON ? S125 YES CALUCULATE VOLTAGE TO BE APPLIED FINALLY ACQUIRE PREVIEW IMAGE S126 S112 TEMPERATURE CORRECTION RECOGNIZE RECEIVED LIGHT AMOUNT S127 CONTROL OUTPUT VOLTAGE ADJUST APERTURE STOP S113 OF POWER SUPPLY MEANS _SS128 S114 **S131** START TIMER DISPLAY ACQUIRED PREVIEW IMAGE RESET TIMER S115 _SS132 DETECT FOCUS STATE **EXECUTE PHOTOGRAPHY** ₅S116 S133 **EXECUTE FOCUSING** TRANSFER ACCUMULATED **OPERATION** ELECTRICAL CHARGE S117 ₅S134 NO SW 2 ON ? EXECUTE IMAGE DATA **PROCESSING** YES S118 _SS135 RECORD IMAGE DATA DOES TIMER NO YES _SS136 COUNT COMPLETE ? DISPLAY ACQUIRED IMAGE S137 TURN OFF APPLIED VOLTAGE

END

FIG. 17





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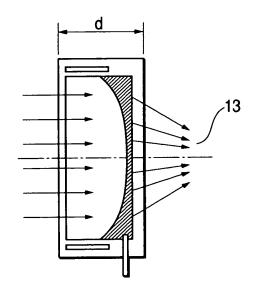
FIG. 19

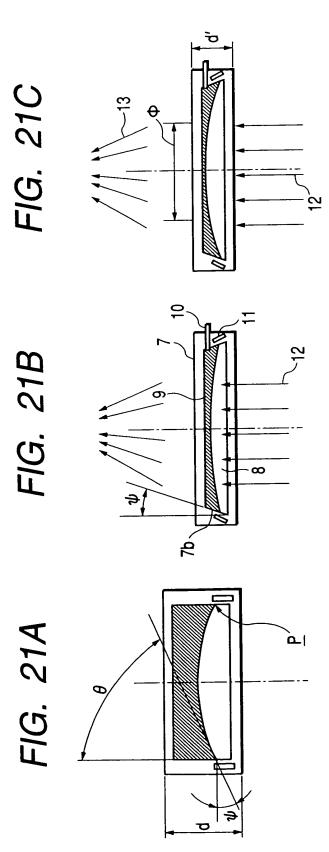
	f=20mm	f=15mm	f=12mm	f=10mm
-5°C	30V	145V	166V	218V
0°C	28V	142V	163V	214V
10 °C	25V	140V	160V	210V
20°C	22V	137V	158V	207V
30 °C	20V	133V	154V	203V
40 °C	18V	130V	151V	198V

FIG. 20A

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FIG. 20B





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FIG. 22

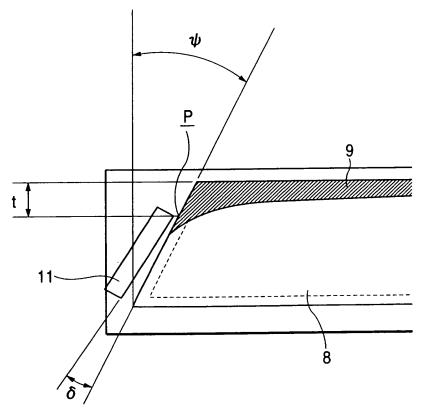


FIG. 23A FIG. 23B

